

CONNECTING & TRANSFORMING CALIFORNIA

Strategic Growth Council
April 11, 2016
Sacramento, CA

CONNECTING CALIFORNIA



- Phase I:
 - » 520 Miles
 - » San Francisco to Los Angeles/Anaheim
- Phase II:
 - » Extends 300 Miles
 - Connections toSacramento & San Diego

CONSTRUCTION IS UNDERWAY

Approximately 119 Miles

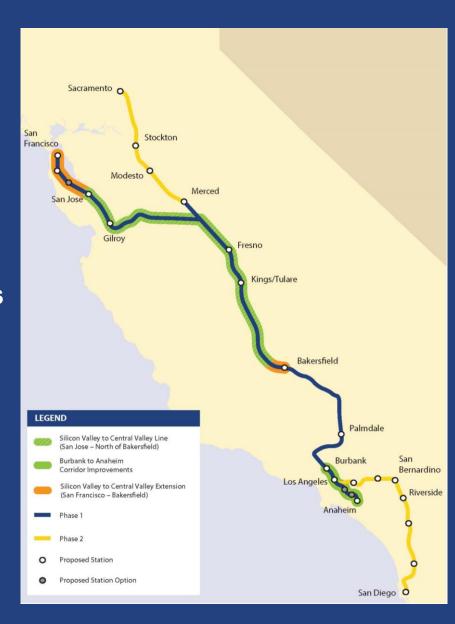
Madera to North of Bakersfield



HIGH-SPEED RAIL CONSTRUCTIO

DRAFT 2016 BUSINESS PLAN: Key Highlights

- Capital Cost Reduction:
 - » \$67.6 Billion (2014) to \$64.2 Billion
- Silicon Valley to Central Valley Line
 - » Operational by 2025
 - » San Jose-North of Bakersfield
 - » \$20.7 Billion Fully Funded
- Burbank to Anaheim Corridor Improvements
 - » Together with our Partners
 - » Invest \$4 Billion
- Extension to San Francisco and Bakersfield
 - » Additional \$2.9 Billion
 - » Operational by 2025
- Phase 1 (San Francisco-LA/Anaheim)
 - » Operational by 2029



California High-Speed Rail: Comprehensive Sustainability



COMMUNITIES

- → Station Area Planning Funding
- → Eco District Approaches
- → Connected Communities Strategies
- ightarrow Transit Access and Active Transportation
- $\rightarrow {\sf Grade \, Separations}$
- → Urban Tree Planting



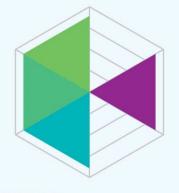
NATURAL RESOURCES

- → Conservation and Regional Landscape Mitigation
- → Agricultural Easements
- → Cultural Resources and Tribal Considerations in Habitat Mitigation
- → Rural Tree Planting



SUSTAINABLE INFRASTRUCTURE

- → Tier 4 Engines
- → VERA Offsets
- → Materials Quality: Global Warming and Healthy Materials
- → Climate Change Adaptation Planning & Resilience
- → Water Conservation Practices
- → Green infrastructure and Infiltration
- → Recycling



ENERGY

- → Net Energy Positive Stations and District Planning Opportunities
- → 100% Renewable Energy for Operations
- → Efficient Trains



BUSINESS AND MANAGEMENT

- → Targeted Hiring
- ightarrow Small Business and Disadvantaged Business Program
- → Apprenticeship Program
- → Jobs and Workforce Developement
- → Biannual Business Plan

Benefits to Disadvantaged Communities (AB1352;SB535) Implement Policy (SB 350, B-30-15, B-18-12, SB 375)







KEY



SUSTAINABILITY POLICY UPDATES

- Zero-net GHG and criteria pollutant construction
- Environmental Product Declarations (EPDs) & prioritizing lifecycle considerations in materials selection
- 100% Renewable energy for operations
- Climate change risk analysis & adaptation planning:
 CivicSpark Fellow
- Energy Net Positive design criteria & LEED Platinum facilities
- Reinforce water conservation & efficiency
- Program activities that focus and prioritize benefits to disadvantaged communities



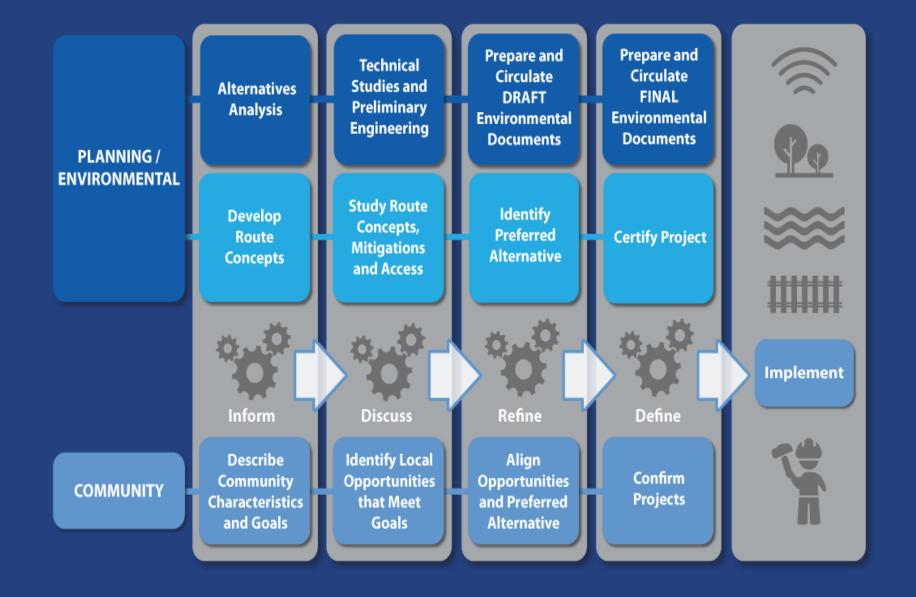


ENVIRONMENTAL PROCESS & SCHEDULE

COLLABORATIVE APPROACH



ENVIRONMENTAL REVIEW PROCESS



ENVIRONMENTAL MILESTONES

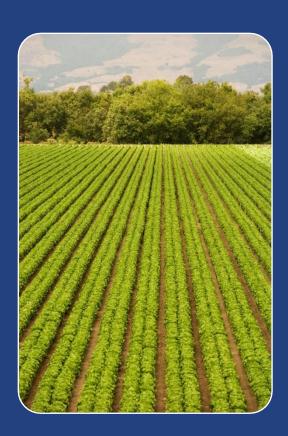
- Merced to Fresno Project Section: 2012
- Fresno to Bakersfield Project Section: 2014
- Environmental Clearances including;
 - » Notices of Determination and Records of Decision, End of year 2017
 - » Permits and Mitigation identified, End of Year 2017

On 9 Segments

- San Francisco to San Jose
- San Jose to Merced
- Central Valley Wye
- Bakersfield Locally Generated Alignment
- Heavy Maintenance Facility
- Bakersfield to Palmdale
- Palmdale to Burbank
- Burbank to Los Angeles
- Los Angeles to Anaheim

REGIONAL MITIGATION: Natural Resources

- Lazy K Ranch, nearly 450 Acres of Habitat adjacent to existing preserved lands
- Contract awarded for Mitigation in Central
 Valley Notice to Proceed Issued
- Agricultural Easements Through MOU with CA Department Of Conservation
- Regional Conservation Contribution strategy initiated in Northern and Southern regions
- Cultural And Tribal Resources Taken Into Account In Mitigation identification process
- Initial Investment of \$200 million In California's Natural Resources



THANK YOU

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